

DERWENT-ACC-NO: 1995-072805

DERWENT-WEEK: 200164

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TITLE: Control method for still/movie video  
camera - mixes stored electric charge during high  
shutter speed motion picture photograph and reads  
alternate stored charge during normal shutter speed still  
picture photograph

PATENT-ASSIGNEE: FUJI PHOTO FILM CO LTD[FUJF]

PRIORITY-DATA: 1993JP-0163831 (June 10, 1993)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
JP 06350911 A		December 22, 1994	N/A
015	H04N 005/238		
JP 3213445 B2		October 2, 2001	N/A
015	H04N 005/238		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 06350911A	N/A	
1993JP-0163831	June 10, 1993	
JP 3213445B2	N/A	
1993JP-0163831	June 10, 1993	
JP 3213445B2	Previous Publ.	JP 6350911
N/A		

INT-CL (IPC): H04N005/238

ABSTRACTED-PUB-NO: JP 06350911A

BASIC-ABSTRACT:

The control method for still/movie video camera consists of many photoelectric

conversion elements in a CCD (5) arranged in linear and sequential directions. The photoelectric conversion elements are set for first and second fields. The exposure time of the solid state electronic image pick up element is controlled. For a moving image, the first and second field photoelectric conversion elements are exposed at high shutter speed at the same time.

For still picture, picture taking to perform at normal speed and the photoelectric conversion element for the first and second field are exposed in turns. During picture taking at high shutter speed, a stored signal electric charge is mixed and output to a photodiode. During picture taking at normal shutter speed, the stored electric charge is read from alternate field by interlace scanning.

ADVANTAGE - Obtains clear reproduction image of photographed object. Avoids flicker.

CHOSEN-DRAWING: Dwg.1/11

TITLE-TERMS: CONTROL METHOD STILL MOVIE VIDEO CAMERA MIX  
STORAGE ELECTRIC

CHARGE HIGH SHUTTER SPEED MOTION PICTURE  
PHOTOGRAPH READ ALTERNATE  
STORAGE CHARGE NORMAL SHUTTER SPEED STILL  
PICTURE PHOTOGRAPH

DERWENT-CLASS: W04

EPI-CODES: W04-B10; W04-E02B5E; W04-M01B1; W04-M01D;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1995-057601